

ACCESSION NR: AT4033572

S/2922/63/009/000/0284/0286

AUTHOR: Vasil'chenko, I. V.; Vorontsov, P. A.; Dovgalyuk, Yu. S.; Maslov, S. I.

TITLE: Problems in the method of studying the lower layer of the atmosphere from ships

SOURCE: Vsesoyuznoye nauchnoye meteorologicheskoye soveshchaniya. 1st, Leningrad, 1961. Priory* i metody* nablyudeni (Instruments and methods of observation); trudy* soveshchaniya, v. 9. Leningrad, Gidrometeoizdat, 1963, 284-286

TOPIC TAGS: meteorology, aerology; atmospheric boundary layer, meteorological instrument, meteorological observation

ABSTRACT: The problems of making systematic observations of the structure of the boundary layer of the atmosphere over the ocean surface are discussed. The Glavnaya geofizicheskaya observatoriya (Main Geophysical Observatory) made such studies in the summer of 1960 by balloon and helicopter ascents from two research vessels in the Atlantic. The difficulties involved in using helicopters are described; the helicopter took off from an 8 X 8 m pad on the prow of an 8,000-ton vessel. The standard KA-15 helicopter was equipped with the helicopter electro-meteorograph developed by the Tsentral'naya aerologicheskaya observatoriya

Card 1/2

ACCESSION NR: AT4033-572

(Central Aerological Observatory); a meteorograph with mechanical recording was carried for comparative purposes. Temperature, pressure, temperature fluctuations and humidity were recorded. Fifty such flights indicated that the Central Aerological Observatory instrument is satisfactory and easy to use. The vessel has a distorting influence on the measurements of air temperature and humidity; a special helicopter flight program is described which eliminates these distortions. A MAZ-1 captive balloon was used in observations from a 1,200-ton vessel. The balloon meteorograph developed by the Main Geophysical Observatory was suspended to the cable of the helium-filled envelope. The balloon-launching method is essentially the same as used on land; the balloon was permitted to assume the following levels: 25, 50, 100, 150, 200, 300, 400, 500 and 700 meters, being held at each level for 3 to 5 minutes. Problems involved in the use of meteorological balloons aboard ships are discussed briefly.

ASSOCIATION: Glavnaya geofizicheskaya observatoriya (Main Geophysical Observatory)

SUBMITTED: 00

DATE ACQ: 16Apr64

ENCL: 00

SUB CODE: ES

NO REF SOV: 003

OTHER: 000

Card 2/2

equipment used could not detect variations in the index of refraction within and

L 40284-66 EST(1) GW

ACC NR: AR6014558

SOURCE CODE: UR/0169/65/000/011/B021/B021

AUTHOR: Vasil'chanko, I. V.

TITLE: The principal types of vertical temperature and wind profiles in the lower 500-m layer according to balloon observations in the area of Shchekino GRES

SOURCE: Ref. zh. Geofizika, Abs. 11B157

REF SOURCE: Tr. Gl. geofiz. observ., vyp. 172, 1965, 94-103

TOPIC TAGS: wind profile, meteorologic balloon, atmospheric stratification, atmospheric temperature gradient, wind gradient

ABSTRACT: Six basic types of stratification of the lower layer with an altitude of 500 m could be distinguished according to data from 123 ascents of a meteorograph (68 in March--April 1962--1963 and 55 in June--August 1962) in the area of the Shchekino GRES. The following criteria underlie the classification: the sign of the instability energy, the magnitude and sign of the vertical temperature gradient, and also their variation with altitude. The characteristic of the change in wind velocity with altitude above the surface layer was taken as the basic criterion, determining the type of wind profile. Six types were distinguished according to this criterion. Typical temperature and wind profiles are given, and the presence of a relationship between them is noted. [Translation of abstract]

SUB CODE: 04

Card 1/1 MLP

UDC: 551.524.7

BEITYACHOVA, M.A.; MASTENKOS, I.V.; GABUSHA, V.P.

Data on the form of a wake jet in relation to the characteristics
of the structure of the boundary layer. Truly GSC no. 17286-93 '65.
(MIRA 18:8)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858720018-1

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858720018-1"

1. The first of these is the

the second is the

an appreciable break related to an inversion layer within the 500-mb layer; 1 VDC 1100: JTE-

L 52992-65

ACCESSION NR: AT5019740

Fig. 2 of the Enclosure illustrates these types. Both temperature and wind profiles are analyzed fully in the text. Orig. art. has: 2 figures and 3 tables.

ASSOCIATION: Glavnaya geofizicheskaya observatoriya, Leningrad (Main Geophysical Observatory)

SUBMITTED: 00

ENCL: 02

SUB CODE: ES

NO REF SOV: 004

OTHER: 000

Accession No. 100-100000

300+

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858720018-1

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858720018-1"

TITLE: ERRORS in aerological measurements and a comparison of the results of measurements by means of balloons in Soviet and American balloons.

data; c) the wind velocity data; and d) the temperature and wind measurements by means of balloons in Soviet and American balloons.

has: 25 formulas, 3 figures, and 1 table.

ASSOCIATION: Glavnaya geofizicheskaya observatoriya, Leningrad (Main Geophysical Observatory)

SUMMARY:

Card 2/2

SOLOMKIN, P.S., prof.; KVASNIKOV, A.K., kand.vet.nauk; VASIL'CHENKO, I.V.

Question of the plurality of the hog cholera virus. Veterinariia 36
no.2:45-48 F '59.

(MIRA 12:2)

(Hog cholera)

OB"YEDKOV, G.A., kand.veterin.nauk; VASIL'CHENKO, I.V., kand.veterin.nauk

Use of antibrucellosis vaccines from strains Nos. 19 and 68 in White
Russia. Trudy NIVI 1:19-23 '60. (MIRA 15:10)
(White Russia—Brucellosis in cattle)

VASIL'CHENKO, I.V., kand.veterin.nauk

Preparation of a vaccine against pasteurellosis in sheep and a
test of its immunogenic properties. Trudy NIVI 1:48-49 '60.

(MIRA 15:10)

(Hemorrhagic Septicemia)(Sheep—Diseases and pests)

same list

VASIL'CHENKO, L.A.; DROZDOVA, V.M.

Methodology of nitrogen determination in atmospheric precipitation
water. Trudy GGO no.141:99-103 '63. (MIRA 17:4)

ORESTOV, I.L.; VASIL'CHENKO, L.D.; DUDNICHENKO, L.A.

Volumetric determination of zinc in the presence of 2,6-dichlorophenol
indophenol. Izv. vys. ucheb. zav.; khim. i khim. tekhn. 4 no.2:319-
320 '61. (MIRA 14:5)

1. Pyatigorskiy farmatsevticheskiy institut. Kafedra analiticheskoy
khimii.

(Zinc--Analysis) (Indophenol)

ROD'KHA, Z.I.; VASIL'CHENKO, L.F. [Vasyl'chenko, L.F.]; KOREN'KOV, P.M.

Processing of nitron in woolen (condenser) spinning systems. Len.
pro.1. no.3:3-6 J1-S '64. (MIRA 17:10)

VASIL'CHENKO, L.G.

Materials on anesthesia in orthopedic stomatology. Stomatologiya
42 no.4:60-63 J1-Ag'63 (MIRA 17:4)

1. Iz kafedry stomatologii (zav. - prof. Yu.I. Bernadskiy)
Ukrainskogo instituta usovershenstvovaniya vrachey (rektor -
dotsent I.I. Ovsienko).

VASIL'CHENKO, L.S., agronom.

What a collective farm gains from the new make-up of cultivated areas. Zemledelie 4 no.6:104-108 Je '56. (MLRA 9:8)

1. Kolkhoz imeni Stalina, Mirgorodskogo rayona, Poltavskoy oblasti.
(Ukraine--Agriculture)

L 27377-66 FBD/EWT(1)/EWT(m)/EEC(k)-2/T/EWP(k)/EWA(h) IJP(c) WG/JD
 ACC NR: AP6015439 SOURCE CODE: UR/0051/66/020/005/0915/0916

AUTHOR: Vasilenko, L. S.; Chebotayev, V. P. 53
 B

ORG: none

TITLE: Transition competition and the generation of the 6401 Å line in the absence of a dispersing prism in the cavity of an He-Ne laser 25

SOURCE: Optika i spektroskopiya, v. 20, no. 5, 1966, 915-916

TOPIC TAGS: gas laser, laser 27

ABSTRACT: The dependence of the amplification on the active length of an He-Ne laser equipped with Brewster angle mirrors was investigated using a discharge tube with a 3.7 mm inner diameter in which the discharge length (l) could be varied between 20 and 140 cm. The increased amplification due to greater tube length l could be compensated by increasing the attenuation in the laser. This was achieved by rotating a glass plate mounted in the cavity relative to the axis perpendicular to the polarization. It was established that amplification obtained just above the threshold (G) for oscillation varied linearly with the discharge length, reaching saturation at l = 120 cm. Replacement of one of the dielectric mirrors with a silver mirror (equivalent to increasing the Q of the cavity on the 3.39 μ line) lowered the value of l at which saturation occurred. When a prism was placed in the cavity, G varied linearly with (l) throughout the whole range of l = 20—140 cm (lack of saturation), indicating

Card 1/2

UDC: 621.375.9:535

L 27377-66

ACC NR: AP6015439

that saturation achieved without a prism is associated with oscillations on the 3.39 μ line. The linear dependence of G on I and therefore the absence of oscillations on other transitions was attributed to depletion of the 3s₂ level due to oscillation on the 6328 Å line. An attempt was made to attain laser action on other transitions by using a quartz plate in the cavity to suppress oscillations on the 6328 Å line. Rotation of the quartz plate for a few minutes made it possible to attain laser action on both the 6328 and 6401 Å lines. Orig. art. has: 1 figure. [CS]

SUB CODE: 20/ SUBM DATE: 24Sep65/ ORIG REF: 001/ OTH REF: 002/ ATD PRESS:

4259

Card 2/2

VASIL'CHENKO, L.V., inzh.

Change in the schematics of internal connections of IT-85
and IT-86 relays. Energetik 8 no.7:28-29 J1 '60.
(MIRA 13:8)

(Electric relays)

1. VASIL'CHENKO, M.
2. UESR (600)
4. Airplanes - Models
7. Incadandescent sparkplug, Kryl rod. h no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

VASIL'CHENKO, H.

AID - P-146

Subject : USSR/Aeronautics
Card : 1/1
Author : Vasil'chenko, M.
Title : Piloted Models
Periodical : Kryl. Rod., 1, 16 - 17, Ja 54
Abstract : The author explains special features of piloted models
and compares them with line-controlled models. Some
figures are given. Diagrams.
Institution : None
Submitted : No date

VASIL'CHENKO M.

AID P - 1268

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 12/15

Author : Not given

Title : New books

Periodical : Kryl. rod., 2, 17, F 1955

Abstract : Three books are briefly reviewed: 1. Vodop'yanov, M. V., On Wings in the Arctic; 2. Storchiyenko, P., From Higher Altitudes; 3. Vasil'chenko, M. and Yu. Khukhra, Line High Speed Model of the type "Flying Wing" with a Jet Engine.

Institution : None

Submitted : No date

AID P - 3127

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 13/24

Author : Vasil'chenko, M., (Capt. of the team of the USSR)

Title : Sport meeting in Czechoslovakia

Periodical : Kryl. rod., 10, 17-20, 0 1955

Abstract : The author reviews a sport meeting of aircraft modelers of various People's Republics which took place in Bulgaria. He gives a brief history of former meetings, describes various competitions, mentions names of competitors and gives general characteristics of aircraft models. Photos, diagram.

Institution : None

Submitted : No date

The World Championship in Aircraft Modelmaking

85-10-26/35

The Sport Master Yu. Sokolov won the second place in the individual competition; he was awarded a cup and a silver medal. The Soviet sportsmen, who for the first time took part in the competitions with the launching cord equipped aircraft models, won the fourth place. The highest speed attained by the M. Vasil'chenko's model was 197 km per hour. This article, which supplies also information about the achievements of sportsmen of other countries, is concluded with a statement that evidently the launching cord equipped aircraft modelmaking is not on a proper level in the USSR and that the Soviet participants were handicapped by the lack of special engines for their models and by insufficient training with these models. There are four photos of the above mentioned glider modelmakers.

AVAILABLE: Library of Congress

Card 2/2

VASIL'CHENKO, M.

85-58-1-17/28

AUTHOR: None given

TITLE: New Books (Novyye knigi)

PERIODICAL: Kryn'ya rodiny, 1958, Nr 1, p 20 (USSR)

ABSTRACT: Two books are reviewed: 1) V. P. Kaznevskiy, Explorers of Interplanetary Space (Razvedchiki mezhplanetnogo prostranstva), a popular presentation published by DOSAAF, Moscow, 1957, dealing with rocket technique. The pamphlet includes a brief historical survey of Soviet scientists' accomplishments in this field and theoretical bases of rocket flight with description of a rocket. An appendix contains brief information on foreign high-altitude rockets. This DOSAAF publication, Moscow, 1957. 2) V. and M. Vasil'chenko, Cord-Controlled Models (Kordovyye letayushchiye

Card 1/2

New Books

85-58-1-17/28

modeli), published by DOSAAF, Moscow, 1957, contains a detailed description of methods of constructing different types of cord-controlled model airplanes.

AVAILABLE: Library of Congress

Card 2/2

85-58-1-17/28

AUTHOR: None given

TITLE: New Books (Novyye knigi)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 1, p 20 (USSR)

ABSTRACT: Two books are reviewed: 1) V. P. Kaznevskiy, Explorers of Interplanetary Space (Razvedchiki mezhplanetnogo prostranstva), a popular presentation published by DOSAAF, Moscow, 1957, dealing with rocket technique. The pamphlet includes a brief historical survey of Soviet scientists' accomplishments in this field and theoretical bases of rocket flight with description of a rocket. An appendix contains brief information on foreign high-altitude rockets. This DOSAAF publication, Moscow, 1957. 2) V. and M. Vasil'chenko, Cord-Controlled Models (Kordovyye letayushchiye

Card 1/2

New Books

85-58-1-17/28

modeli), published by DOSAAF, Moscow, 1957, contains a detailed description of methods of constructing different types of cord-controlled model airplanes.

AVAILABLE: Library of Congress

Card 2/2

VASIL'CHENKO, M.

85-58-2-27/36

AUTHORS: V. Vasil'chenko, Sportsman 1st Rank, and M. Vasil'chenko, Master
of Sports

TITLE: Construction of the Geometry of a Propeller Blade for a
Piston Engine Model (Postroyeniye geometrii lopasti vozdušnogo vinta
modeli s porshnevym dvigatelem)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 2, pp 26-27 (USSR)

ABSTRACT: The authors discuss the various geometrical characteristics of
propeller blades. There are 4 drawings.

AVAILABLE: Library of Congress

Card 1/1

85-58-7-30/45

AUTHORS: Vasil'chenko, M. and Gayevskiy, O., Master of Sports

TITLE: Line-controlled Speed-plane Model (Kordovaya skorostnaya model' samoleta)

PERIODICAL: Kryl'ya rodiny, 1958,⁹ Nr 7, p 22 (USSR)

ABSTRACT: The authors describe the new norms applied to line-controlled models introduced in the current year. There is 1 sketch.

1. Airplanes--Model building--Standards

Card 1/1

VASILCHENKO, M.

PHASE I BOOK EXPLOITATION SOV/NGO

Aviatsionnyi sbornik statey. Posobie dlya rukovodivshykh aviatsionnykh klubov i uchitel'sey (Aviation Modeling Collection of Articles. Textbook for Instructors of Model Aircraft Clubs and Teachers). Moscow, Ginepedit, 1960. 101 p. 12,000 copies printed.

Comptel'skiy, E.B. Kandidat of Technical Sciences, and N.S. Labadinsky, Candidate of Technical Sciences, Eds.: V.I. Komarov, A.Ye. Stukhovskiy, Team. Ed.: V.I. Komarov.

PURPOSE: This book is intended for instructors and directors of model airplane clubs sponsored by DOSAAF (All-Union Voluntary Society for Promotion of the Army, Navy, and Air Forces).

COVERAGE: The book consists of 17 articles covering various aspects of model aircraft design, construction and operation. The text contains many illustrations and diagrams. No personalities are mentioned. There are 185 references, all Soviet.

TABLE OF CONTENTS

Salimov, E. Choice of Propeller and Rubber Band Propulsion for Flying Model Airplanes	21
Salimov, E. Special Features of Flight of Models With Reduced Rubber Band Propulsion	25
Krasavskiy, E. Theory of Sailing for Model Airplanes	27
Vlasovskiy, Yu. Calculating High-Speed Models for Recyclable Flight	32
PART TWO. CONSTRUCTING AND LAUNCHING MODEL AIRPLANES	
Ch. I. Gliding Models	39
Pustelag Model (Krasovskiy, Yu.)	39
Recessed-Notch Model of A. Avadakov (Vasilch., O.)	39
Model With a Turbulator (Zinich, M.)	40
Control of Sailing Models (Sokolov, Yu.)	46
Ch. II. Rubber-Band Propelled Model Airplanes	47
Bastard Model (Krasovskiy, Yu.)	47
Model With a Turbulator for Model Airplanes	49
Rubber-Band Propelled Model "Molotok" (Krasovskiy, Yu.)	50
Model "Molotok" (Krasovskiy, Yu.)	52
Pustelag Model Airplane (Krasovskiy, Yu.)	53
High-Speed Model (Krasovskiy, Yu.)	58
High-Speed Model of the "Flying Wing" Type (Krasovskiy, Yu.)	61
Model Airplane Maker on the Take-Off Stand (Krasovskiy, Yu.)	64
Ch. III. Aircraft Models With Piston Engines	66
Sailing Model (Krasovskiy, Yu.)	66
Model Airplane of the "Flying Wing" Type (Krasovskiy, Yu.)	70
Model Airplane of the "Flying Wing" Type (Krasovskiy, Yu.)	73
High-Speed, Pre-Flight Models (Krasovskiy, Yu.)	80
Cable Control, Pre-Flight Models of the Take-Off (Krasovskiy, Yu.)	82
Cable Control, Pre-Flight Models of the Take-Off (Krasovskiy, Yu.)	84
Control Technique for Cable Control High-Speed Models (Krasovskiy, Yu.)	86
Control Technique for Cable Control Model Airplanes (Krasovskiy, Yu.)	91
Ch. IV. Piston Engines and Props for Flying Models	95
Model Airplane Engine "Viktor" (Krasovskiy, Yu.)	95
Model Airplane Engine "Viktor" Designed by V. Krasovskiy (Krasovskiy, Yu.)	99
Model Airplane Engine "Viktor" (Krasovskiy, Yu.)	101
Model Airplane Engine "Viktor" (Krasovskiy, Yu.)	103
Model Airplane Engine "Viktor" (Krasovskiy, Yu.)	106
Model Airplane Engine "Viktor" (Krasovskiy, Yu.)	108
Model Airplane Engine "Viktor" (Krasovskiy, Yu.)	109
Model Airplane Engine "Viktor" (Krasovskiy, Yu.)	110
Model Airplane Engine "Viktor" (Krasovskiy, Yu.)	113
Model Airplane Engine "Viktor" (Krasovskiy, Yu.)	114
Model Airplane Engine "Viktor" (Krasovskiy, Yu.)	115

VASIL'CHENKO, M.P.

Investigating operation of a new type clarifier. Vol. 1 san. tech.
no.3:19-21 Mr '57.

(MLBA 10:6)

(Water--Purification)

VASIL'CHENKO, M. V.

Alekseyeva, A. K. and Vasil'chenko, M. V. "Albumen and vitamin feeding of breeding geese," Trudy Nauch.-issled. in-ta ptitsevodstva, Vol. XIX, 1948, p. 135-139

SO: U-2888, Letpis Zhurnal'nykh Statey, No. 1, 1949

VASIL'CHENKO, N.A., inzh.

Automatic adjustment of arc furnaces in case of voltage change
in the network. Izv.vys.ucheb.zav.; energ. 3 no.6:57-66
Je '60. (MIRA 13:6)

1. Kuybyshevskiy industrial'nyy institut imeni V.V.Kuybysheva.
Predstavlena kafedroy teoreticheskoy i obshchey elektrotekhniki.
(Automatic control) (Electric furnaces)

VASIL'CHENKO, N.A., inzh.

Calculating the nonsymmetric characteristics of three-phase arc
furnaces. Izv.vys.ucheb.zav.; energ. 2 no.4:53-61 Ap '59.
(MIRA 12:9)

1. Kuybyshevskiy industrial'nyy institut imeni V.V.Kuybysheva.
Predstavlena kafedroy teoreticheskoy i obshchey elektrotekhniki.
(Electric furnaces)

VASIL'CHENKO, N.A.

Sensitivity of the automatic control systems of an arc
furnace. Izv. vys. ucheb. zav.; elektromekh. 4 no.10:113-
116 '61. (MIRA 14:11)

(Automatic control)
(Electric furnaces)

VASIL'CHENKO, N.A.

Selection of signals for the automatic control of three-phase arc
furnaces. Izv. vys. ucheb. zav.; elektromekh. 4 no.2:111-122
(Electric furnaces) (14:9)

SERGEYEV, P.F., inzhener.;VASIL'CHENKO, N.I., inzhener.

Performance of blast furnaces operated at 0.8 atm. gas pressure
in the charge. Stal' 16 no.11:963-971 W '56. (WRA 10:1)

1. Novo-Lipetskiy metallurgicheskii zavod.
(Blast furnaces)

SOV/133-58-10-3/31
AUTHORS: Vasil'chenko, N.I., Kotov, V.I., Nikitin, A.N. and
Norik, N.P., Engineers, and Ostroukhov, M.Ya., Candidate
of Technical Sciences.
TITLE: The Influence of Blast Temperature on the Dimensions of
the Oxidising Zone in a Blast Furnace (Vliyaniye tempera-
tury dut'ya na razmery okislitel'noy zony v domennoy
pechi)
PERIODICAL: Stal', 1958, Nr 10, pp 869 - 874 (USSR)
ABSTRACT: In view of the conflicting evidence on the influence of
the blast temperature on the dimensions of the combustion
zone, the authors carried out an investigation of the
problem on a blast furnace of the Novo-Lipetskiy Works
(Figure 1) producing foundry iron (2.0-3.5% Si). The
furnace output was about 1 000 tons/day, slag basicity
 CaO/SiO_2 1.05-1.10, blast volume 2 100 - 2 300 m^3/min ,
blast temperature 800 °C, blast humidity 20 - 25 g/m^3 and
top pressure 0.8 atm. During the investigation, the
furnace operation was not steady due to a large proportion
of fines in the burden. Dimensions of the combustion zone
were measured by sampling gases along the tuyère axis and
by direct probing with the sampling tube. The experimental

Card1/3

SOV/135-58 10-3/31

The Influence of Blast Temperature on the Dimensions of the Oxidising Zone in a Blast Furnace

results are given in Tables 1, 2 and Figures 2-7. Some special features of furnace operation when an exceptionally long combustion zone was observed are given in Table 3. A large spread of the experimental results was obtained which necessitated a separate study of the operating conditions for cases when exceptionally long and exceptionally short combustion zones were observed. A very short combustion zone is characterised by an unusually high content of either CO_2 or CO . This can be caused by an accumulation of unprepared flux (evolution of CO_2) or unprepared burden.

In such cases, the oxidising zone is limited by this dense accumulation. An exceptionally long combustion zone, out of proportion to the kinetic energy of blast, coincided with periods of an incorrect distribution of the gas stream, particularly with channelling and a considerable increase in the permeability of the central part of the furnace. If the exceptionally short and long combustion zones are excluded, then in a number of cases the dependence of the size of combustion zone on the blast temperature can be detected. The length of the combustion zone as measured

Card2/3

SOV/133-58-10-3/31

The Influence of Blast Temperature on the Dimensions of the Oxidising Zone in a Blast Furnace

by direct probing increases with temperature at blast rates 2 000, 2 200, 2 250 and 2 300 m³/min (at 2 200 m³/min it decreases and at 2 400 m³/min it remains constant). The oxygen zone (Figures 5 and 6) behaves differently; with increasing temperature it remains in the majority of cases constant or decreases. Thus, increasing temperature or, strictly speaking, kinetic energy of the blast, increases the length of the combustion zone (determined by the position of 2 or 3% of CO₂ or by direct probing) but has practically no influence on the size of the oxygen zone. There are 3 tables, 7 figures and 9 references, 6 of which are Soviet, 2 English and 1 German.

ASSOCIATIONS: Novo-Lipetskay zavod (Novo-Lipetskly Works) and Institut metallurgii AN SSSR (Institute of Metallurgy of the AS, USSR).

Card 3/3

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858720018-1

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858720018-1"

L 26161-66 EWP(h)/EWT(d)/EWP(1)
UDC NR: AP6006350 (A)

SOURCE CODE: UR/0413/66/000/002/0084/0084

AUTHORS: Reznik, A. P.; Lobov, A. G.; Auerbakh, V. M.; Trofimov, A. P.; yashin,
K. A.; Vasil'chenko, N. M.

ORG: none

TITLE: A means of mounting upper sections of crane masts with the boom. Class 35,
No. 178071

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 84

TOPIC TAGS: crane, construction equipment

ABSTRACT: This Author Certificate describes the mounting of upper sections of crane masts with the boom. The upper sections are set by means of crane mechanisms which are on the lower section of the mast which is on a rotating platform. The leading end of the boom and the base of the supporting part of the mast are joined by a cable which, in turn, is fastened to the edge of the platform. Thus the elevation of the upper sections of the mast is secured by the boom through their turning relative to the place where the truss joins the platform (see Fig. 1).

Card 1/2

UDC: 621.873.25.002.72 2

L 26161-66

ACC NR: AP6006350

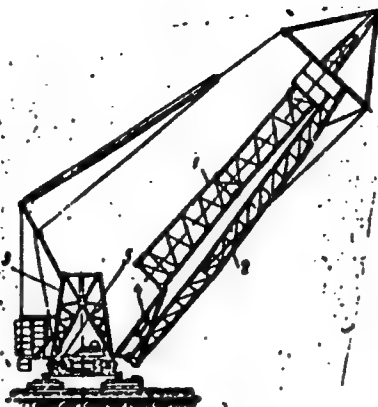


Fig. 1. 1 - upper sections of the mast;
2 - boom; 3 - lower section of the mast;
4 - truss; 5 - rotating crane platform.

Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 180ot63

Card 2/2 CC

AUTHORS: Vasil'chenko, N.S., Engineer SOV/133-58-10-16/31
TITLE: An Increase in the Durability of Hardened Steel Rolls by
an Additional Tempering (Povysheniye stoykosti zakalennykh
stal'nykh valkov putem dopolnitel'nogo otpuska)
PERIODICAL: Stal', 1958, Nr 10, pp 917 - 920 (USSR)
ABSTRACT: Low durability of hardened steel rolls of three-stand
continuous mills (tandem) on the above works (at the
beginning of 1957: 362-530 tons per roll) necessitated
their additional tempering at 165-180 °C with 6 hours'
soaking. This additional tempering had only an insig-
nificant influence on the roll hardness. The tempering
procedure is described in some detail. There are 2 tables
and 2 figures.
ASSOCIATION: Zavod "Zaporozhstal'" ("Zaporozhstal'" Works)
Card 1/1

VASIL'CHENKO, N.V.

Development of public health on the Volga Valley Railroad.

Sbor. nauch. rab. Sar. gos. med. inst. 44:5-11 '64.

(MIRA 18:7)

1. Nachal'nik Vrachebno-sanitarnoy sluzhby Privolzhskoy
zheleznoy dorogi.

VASIL' CHENKO, N.V., kand. tekhn. nauk

Electroluminescent brightness amplifiers. Svetotekhnika 4 no. 8:27-
30 4g '58. (MIRA 11:7)

(Luminescence)

TSYLEV, L.M.; SERGEYEV, P.F.; KAPORULIN, V.H.; MATVEYEV, P.M.;
VASIL'CHENKO, N.V.

Steam and air blowing as intensification of the blast furnace
process. Trudy Inst. met. no.8:3-10 '61. (MIRA 14:10)
(Blast furnaces)

VASIL'CHENKO, P.

How we strengthen rural budgets. Fin.SSSR 37 no.4:60 Ap '63.
(MIRA 16:4)

1. Starshiy inspektor byudzheta Vasil'yevskogo rayona Zaporozhskoy oblasti.
(Vasil'yevskiy District (Zaporozh'ye Province)—Finance)

VASIL'CHENKO, P.A., inzh.; SALT'YKOV, M.A., inzh.; TALYANKER, Yu.Ye., inzh.

Protection of the 2D100 diesel engine from the effects of
explosions occurring in the crankcase. Elek. i tepl. tiaga
2 no.12:30-31 D '58. (MIRA 12:1)
(Diesel engines--Testing)

GONCHAROV, V.; VASIL'CHENKO, P.

Milling machine with programmed control. Un.tekh. 4 no.8:50-51
Ag '60. (MIRA 13:9)

(Milling machines--Numerical control)

L 8159-66 EPF(n)-2/T-2/ETC(m)/EWP(f) WW

ACC NR: AP5025065

SOURCE CODE: UR/0286/65/000/016/0116/0116

AUTHORS: Morgulis, P. S.; Vasil'chenko, P. A.; Shifrin, M. G.; Repin, M. I. B
51

ORG: none

TITLE: Method of increasing pick-up (acceleration) of diesel generators with gas turbine superchargers. Class 46, No. 174039

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 116

TOPIC TAGS: engine governor, supercharger, gas turbine, diesel engine

ABSTRACT: This Author Certificate presents a method for improving the pick-up of diesel generators with gas turbine superchargers by controlling the supply of exhaust gases to the turbine. To permit load variations without change in engine speed, the step-wise changes of turbine partiality (partial admission) are accomplished by supplying exhaust gases from one or several collectors to the turbine. The control is provided by a gas distributing valve which is activated according to engine load.

SUB CODE: PR/ SUBM DATE: 01Jun64

JW

Card 1/1

UDC: 621.436
2

VASIL'CHENKO, R.

Rural builders are learning. Sel'. stroi. 17 no.4:10 Ap '63.
(MIRA 16:7)
(Belgorod Province---Building trades---Study and teaching)

VASIL'CHENKO, R.S.

Reflexes from the carotid sinns affecting blood circulation,
respirations and lymph circulation. Biul.eksp.biol. i med.
40 no.10:11-14 Oct.'55. (MLRA 9:1)

1. Iz Instituta fiziologii (dir.-deystvitel'nyy chlen AN
Kazakhskoy SSR prof. A.P.Polosukhin) AN Kazakhskoy SSR.

(CAROTID SINUS, physiology,

eff. of stimulation on blood pressure, lymph circ.
& resp.)

(RESPIRATION, physiology,

eff. of carotid sinus stimulation)

(BLOOD PRESSURE, physiology,

eff. of carotid sinus stimulation)

(LYMPH

circ.,eff. of carotid sinus stimulation)

VASIL'CHENKO, R.S.; BULEKBAYEVA, L.E.; KAIPOVA, Z.N.; VASIL'YEVA, Ye.N.

Lymph circulation changes and some biochemical ingredients of
lymph in passive movement of animal extremities. Izv. AN Kazakh.
SSR. Ser. med. i fiziol. no.2:6-10 '59 (MIRA 13:3)
(LYMPH) (~~EXERCISE~~)

VASIL'CHENKO, R.S.

Effect of local hot and cold applications on arterial and venous pressures, lymph circulation and respiration. Biul.eksp.biol.i med.
48 no.10:7-10 0 '59. (MIRA 13:2)

1. Iz laboratorii limfoobrashcheniya (zav. - kand.med.nauk A.M. Beketayev) Instituta fiziologii (dir. - prof. A.P. Polosukhin) AN Kazakhskoy SSR, Alma-Ata. Predstavlena deystvitel'nyy chlenom AMN SSSR V.N. Chernigovskim.

(TEMPERATURE eff.)

(BLOOD PRESSURE physiol.)

(LYMPHATIC SYSTEM physiol.)

(RESPIRATION physiol.)

VASIL'CHENKO, R.S.; BULEKBAYEVA, L.E.; KAIPOVA, Z.N.; VASIL'YEVA, Ye.N.

Changes in the lymph flow and some biochemical lymph components
following the stimulation of the sciatic nerve and sinocarotid zone.
Report No.2. Izv. AN Kazakh. SSR. Ser. med. i fiziol. no.1:3-10 '61.
(MIRA 15:4)

(LYMPH)

(SCIATIC NERVE)

(CAROTID SINUS)

VASIL'CHENKO, R.S.; BULEKBAYEVA, L.E.; KAIPOVA, Z.N.; VASIL'YEVA, Ye.N.

Changes in the lymph flow and some biochemical lymph components
following the stimulation of the vagus nerve. Report No.3. Izv.
An Kazakh. SSR. Ser. med. i fiziol. no.1:11-15 '61. (MIRA 15:4)
(LYMPH) (VAGUS NERVE)

VASIL'CHENKO, R.S.; BULEKBAYEVA, L.E.; KAIPOVA, Z.N.; VASIL'YEVA, Ye.N.

Changes in the lymph circulation and some biochemical lymphatic ingredients in the stimulation of the intestinal chemoreceptors.
Report No. 5. Izv. AN Kazakh. SSR. Ser. med. nauk no.1:12-14 '63.
(MIRA 16:10)

*

VASIL'CHENKO, R.S.; BULEKBAYEVA, L.E.; KAIPOVA, Z.N.; VASIL'YEVA, Ye.N.

Mechanism of changes in the lymph circulation induced by stimulation of the mechanoreceptors of organs of the gastrointestinal tract. Izv. AN Kazakh. SSR Ser. med. nauk no.2: 3-12'63. (MIRA 16:10)

(LYMPHATICS) (ALIMENTARY CANAL — INNervation)

VASIL'CHENKO, R.S.; BULEKBAYEVA, L.E.; KAIPOVA, Z.N.; VASIL'YEVA, Ye.N.

Mechanism of the change in lymph circulation due to the stimulation of the receptors of the excretory organs. Izv. AN Kazakh. SSR. Ser. med. nauk no.1:16-24 '64 (MIRA 17:7)

VASIL'CHENKO, S.F. Cand Geol-Min Sci -- (diss) "Relationships
between veins of gold ore and grainitized enclosing rocks
in the Kazakhstan deposit." Mos, 1958. 14 pp. (Mos Order of
Lenin and Order of Labor Red Banner State U im M.V. Lomonosov.
Geol Faculty.) 110 copies. Bibliography: pp 13-14. (14 titles.).
(KL, 12-58, 97)

VASIL'CHENKO, S.F.

VASIL'CHENKO, S.F.

Plagioclases of a contact zone in the Uda granodioritic intrusion
of eastern Transbaikalia. Zap.Vses.min.ob-va 84 no.3:369-374 '55.

(MIRA 8:11)

1. Institut Nigrizoloto, Moscow
(Transbaikalia--Feldspar)

DIDENKO, V.Ye.; TSAREV, M.N.; DMITRIYEV, M.M.; LEYTES, V.A.; OBUKHOVSKIY, Ya.M.; IVANOV, Ye.B.; CHERTOK, V.T.; URSALENKO, R.N.; KRIGER, I.Ya.; PINCHUK, A.K.; ANTONENKO, N.Z.; SMUL'SON, A.S.; VASIL'CHENKO, S.I.; DRASHKO, A.M.; RAYEVSKIY, B.N.; KUCHIRYAVENKO, D.N.; SAVCHUK, A.I.; ZHURAVLEVA, L.I.; BAUTIN, I.G.; KHRIYENKO, V.Ya.; MOSENKO, N.K.; CHEBONENKO, G.P.; LISSOV, L.K.; MAMONTOV, V.V.; BELUKHA, A.A.; POYDUN, V.F.; VOLODARSKIY, M.B.; KAL'CHENKO, G.D.; LEVCHENKO, V.M.; BASHKIROV, A.A.; VOROB'YEV, M.F.; IL'CHENKO, L.I.; PODSHIVALOV, F.S.; MOGIL'NIY, P.P.; LEVI, A.R.; VASLIYAYEV, G.P.; DURNEV, V.V.; OSYPA, S.S.; SAMOFALOV, G.N.; FOMIN, A.F.; LESHCHINA, A.I.; FANKEL'BERG, G.Ye.; KHODANKOV, A.T.; MAKARENKO, I.S.; KARPOVA, K.K.; VASILENKO, I.M.; VOLOSHCHUK, A.S.; SHELKOV, A.K.; FILIPPOV, B.S.; TYUTYUNNIKOV, G.N.; DOLINSKIY, M.Yu.; NIKITINA, P.P.; MEDVEDEV, S.M.; TSOGLIN, M.E.; LERNER, R.Z.; BOGACHEV, V.I.

Mikhail Iakovlevich Moroz; obituary. Koks i khim.no.3:64 '56.(MLRA 9:8)
(Moroz, Mikhail Iakovlevich, 1902?-1956)

VASIL'CHENKO, S.I.; ZAPOROZHETS, A.K.; OKSANICH, I.F.

Mechanical cleaning of coke-oven doors at the Krivoy Rog Coke
Plant. Koks i khim. no.1:40-41 '56. (MLRA 9:5)

1. Krivorozhskiy koksokhimicheskiy zavod.
(Krivoy Rog--Coke ovens)

BRUK, A.S.; LEYBOVICH, R.Ye.; IVANOV, Ye.B.; SMUL'SON, A.S.; BELUKHA, A.A.; MUCHNIK, D.A.; FARTUSHNAYA, R.M.; Primali uchastiye: KUTEVOY, P.M.; GOL'DBERG, P.Ya.; NECHAYEVA, A.P.; KUBYSHKINA, L.I.; SHEYKHET, A.M.; VASIL'CHENKO, S.I.; BARASH, D.A.; KARPOVA, K.K.; KHODANKOV, A.T.

Effect of temperature changes in the control heating flues on the quality of the metallurgical coke. Koks i khim. no.7:26-27 '63. (MIRA 16:8)

1. Dnepropetrovskiy metallurgicheskiy institut (for Bruk, Leybovich, Kutevoy, Gol'dberg, Nechayeva, Kubyshkina, Sheykheta).
2. Krivorozhskiy metallurgicheskiy zavod (for Ivanov, Smul'son, Belukha, Muchnik, Fartushnaya, Vasil'chenko, Barash, Karpova, Khodankov).

(Coke ovens) (Coke--Testing)

MUCHNIK, D.A.; IVANOV, Ye.B.; KUSHNIROV, V.F.; VASIL'CHENKO, S.O.; KROTOVA, N.I.

Effect of the coarseness of crushing of the various coal charge
components of the quality of coke. Koks i khim. no.1:5-7 '63.
(MIRA 16:2)

1. Krivorozhskiy metallurgicheskiy zavod.
(Coke)

VASIL'CHENKO, T., kand.tekhn.nauk

Happy motoring, automobilists. Za bezop.dvizh. 6 no.7:8-9
Jl '63. (MIRA 16:10)

VASIL'CHENKO, T.A.

SHELESTOVA, E.P., nauchnyy sotrudnik; VASIL'CHENKO, T.A., nauchnyy sotrudnik

Vomiting of the color of coffee grounds in dysentery in infants.
Pediatriia no.2:39-40 Mr-Ap '54. (MLRA 7:6)

1. Iz L'vovskogo nauchno-issledovatel'skogo instituta okhrany
materinstva i detstva (i.o.direktora-kandidat meditsinskikh
nauk M.L.Zalotavina, nauchnyi rukovoditel'-prof. S.I.Ignatov)
(DYSENTERY, in infant and child,
*vomiting, dark brown color of)
(VOMITING, in various diseases,
*dysentery in inf., dark brown color of)

VASIL'CHENKO, T.A.

VASIL'CHENKO, T.A.: "The clinical features and diagnosis of dysentery in young children". L'vov, 1954. L'vov State Medical Inst. (Dissertations for the Degree of Candidate of Medical Sciences).

SO: Knizhnaya letopis' No 45, 5 November 1955. Moscow.

VASIL'CHENKO, T.A. [Vsy1'chenko, T.A.], kand.med.nauk

Importance of rectoromanoscopy for differential diagnosis in gastro-intestinal diseases in younger children. Ped., akush. i gin. 19
no.3:31-32 '57. (MIRA 13:1)

1. Otdel profilaktiki i terapii detskikh bolezney (rukovoditel' -
kand.med.nauk A.Kh. Dortort) L'vovskogo nauchno-issledovatel'skogo
instituta okhrany materinstva i detstva (direktor - I.D. Yashchuk).
(ENDOSCOPY) (INTESTINES--DISEASES)

VASIL'CHENKO
VASIL'CHENKO, T.A., kand.med.nauk (Tageran)

It happened in Teheran. Zdorov'e 4 no.3:24 Mr '58. (MIRA 11:3)
(TEHERAN--CHILDREN--MEDICAL CARE)

SOKOLOV, A.V., prof.; LYASKOVSKAYA, Yu.N., kand. tekhn. nauk; UNANOV, G.S., starshiy nauchnyy sotrudnik; KARAVAYEVA, S.G., mladshiy nauchnyy sotrudnik; TALAYEVA, M.I., mladshiy nauchnyy sotrudnik; KRASIL'NIKOVA, T.F., mladshiy nauchnyy sotrudnik; LAVROVA, G.M., mladshiy nauchnyy sotrudnik; KOTOV, P.Ya., mladshiy nauchnyy sotrudnik; VASIL'CHENKO, T.A., mladshiy nauchnyy sotrudnik

Effect of the breed and feeding of swines on the quality of
pork meat. Trudy VNIIMP no.12:3-29 '62. (MIRA 18:2)

L 44786-66 EWT(d)/EWP(e)/EWT(m)/EWP(w)/EWP(v)/EWP(j)/T/EWP(t)/ETI/EWF(k)/

ACC NR: AP6031414 EWP(h)/EWP(l) IJP(SOURCE CODE: UR/0135/66/000/009/0040/0040
JD/WW/HM/JG/EM/RM/WH

AUTHOR: Vasil'chenko, T. P. (Engineer)

ORG: none

TITLE: Scientific technical conference on diffusion welding in vacuum

SOURCE: Svarochnoye proizvodstvo, no. 9, 1966, 40

TOPIC TAGS: diffusion bonding, vacuum diffusion bonding, *metallurgic* ~~diffusion bonding~~ conference,

vacuum diffusion, diffusion welding, metal bonding

ABSTRACT: The Fourth All-Union scientific technical conference on vacuum diffusion bonding of metals, alloys and nonmetallic materials was held 27-31 May 1966 in

Moscow. The conference, convened by MB and SSO SSSR, TsS VOIR, MEP SSSR and the Scientific Research Laboratory for Diffusion Welding in Vacuum (PNILDSV), was attended by 600 specialists who presented more than 70 reports. N. F. Kazakov, Doctor of Technical Sciences, described technical and economic advantages of vacuum diffusion bonding over previously known welding methods, particularly for joining materials which generally cannot be joined by other methods. He stated that at present, 318 pairs of dissimilar materials can be joined by the diffusion bonding. More than 150 units for diffusion bonding in vacuum are presently used in industrial and experimental production. The State Commission approved SDVU-4, SDVU-15, A306.08 and A306.06 units for series production. The Tbilisi Plant of Electric Welding Equipment im. Ye. O. Paton began series production of diffusion bonding equipment.

Card 1/3

UDC: 621.791.4:539.378.3:061.3

L 44786-66

ACC NR: AP6031414

50

Engineer V. S. Sarchenko, a representative of the Ministry of Electrical Industry SSSR, reported on the production plan for diffusion bonding units in 1966—1970. M. V. Venzovskiy and A. F. Khudyshv (Moscow), A. I. Leykin, B. F. Kan'shin and A. S. Luganskiy (Moscow), G. K. Kharchenko and S. M. Gurevich (Kiev), I. L. Kagan (Rostov-on-Don), Yu. A. Galkin, G. A. Shchepetina, N. F. Kazakov, B. P. Kapralov, A. P. Shishkova, I. L. Popov, A. F. Nesmelov and E. I. Ul'yanova (Moscow), O. A. Bel'tyukov (L'vov), V. F. Krasnitskiy (Nikolayev), L. N. Lado (Izhevsk), V. V. Nichushking (Dnepropetrovsk) presented reports on the application of diffusion bonding in the production of vacuum tubes, axial-piston machinery, heat resistant alloy turbine blades, powerful hydrogen thyatrons, and many other critical parts. All diffusion-bonded joints had excellent strength, corrosion and thermal shock resistance and vacuum tightness. N. I. Postnova, Yu. N. Kopylov, E. S. Karakozov, N. V. Urusov, L. F. Shumitskaya and N. F. Kazakov (Moscow), N. N. Fefedov (Kiev), and V. F. Popova (Leningrad) spoke of the application of diffusion bonding for joining nonmetals and metals to nonmetals, e.g., sitals to metals, semiconductor ceramics to metals, alumosilicate glasses to metals, alundum to niobium, and quartz glass to metals. N. F. Kazakov and L. M. Kuz'mina (Moscow) reported on the status and prospects in the development of equipment for vacuum diffusion bonding. G. V. Konyushkov and V. A. Antonov (Saratov), A. F. Khudyshv, V. G. Elbakidze, M. V. Venzovskiy, B. P. Kapralov, V. N. Moiseyev, and I. V. Zuyev (Moscow), N. Ye. Kasich-Pilipenko (Kiev), and Ye. K. Kovshikov (Tbilisi) described their experience in building specialized bonding equipment including those with new heat sources. Particularly interesting was the report of A. M. Ragulin, A. G. Smorodinov and V. I. Gavrilov (Novosibirsk) on an

Card 2/3

ACC NR: AP6031414

10

automatic unit for continuous diffusion bonding. N. F. Kazakov (Moscow) discussed theoretical fundamentals of diffusion bonding of metallic and nonmetallic materials. The electron mechanism of diffusion bonding was discussed by G. V. Samsonov, A. L. Burykina and O. V. Yevtushenko (Kiev). M. Kh. Shorshorov and Yu. L. Krasulin spoke on the mechanism of the bond formation. V. V. Krylov and N. F. Kazakov (Moscow), S. Ye. Ushakova and V. V. Kovrigin (Krasnoyarsk) and V. A. Bos'ko and V. N. Volchenko (Moscow) reported on the equality control in diffusion bonding. I. V. Klushina (Moscow) described the economic efficiency of diffusion bonding. The conference recommended wide use of diffusion bonding in industrial production. [MS]

SUB CODE: 13/ SUBM DATE: none/ ATD PRESS: 5080

Card 3/3 *amm*

(VASIL'CHENKO, U.S. [Vasyl'chenko, U.S.], inzh.

One milkmaid works with four milking machines. Mekh. sil'.
hosp. 11 no.10:24-25 0 '60. (MIRA 13:9)
(Milking machines)

KOVALENKO, O.Ya.; VASIL'CHENKO, U.S. [Vasyl'chenko, U.S.]; GUBKO,
I.M. [Hubko, I.M.]

Mechanized swine fattening stations serving several collective
farms. Mekh. sil'.hosp. 12 no.8:21-24 Ag '61. (MIRA 14:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii
i elektrifikatsii sel'skogo khozyaystva.
(Swine--Feeding and feeds) (Farm mechanization)

VASIL'CHENKO, V., champion Sovetskogo Soyuzn po kordovym modelyam.

The Il-2 airplane model. Kryl.rod. 3 no.8:21-22 Ag '52. (MIRA 8:8)
(Airplanes--Models)

-VASIL CHENKO, V.

AID P - 3105

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 10/19

Author : Vasil'chenko, V.

Title : Technique of maneuvering line model aircraft

Periodical : Kryn. rod., 8, 14-16, Ag 1955

Abstract : The author shows three simple devices of line model aircraft control and explains the method of performing various flying figures. Diagrams.

Institution : None

Submitted : No date

VASIL'CHENKO, V.

85-58-2-27/36

AUTHORS: V. Vasil'chenko, Sportsman 1st Rank, and M. Vasil'chenko, Master
of Sports

TITLE: Construction of the Geometry of a Propeller Blade for a
Piston Engine Model (Postroyeniye geometrii lopasti vozdušnogo vinta
modeli s porshnevym dvigatelem)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 2, pp 26-27 (USSR)

ABSTRACT: The authors discuss the various geometrical characteristics of
propeller blades. There are 4 drawings.

AVAILABLE: Library of Congress

Card 1/1

PHASE I BOOK EXPLOITATION SOV/AC20

Artemovskiy, Boris, *Posobie dlya rukovodivshykh aviamodel'-*
 1948, Moscow, 1 uchitel'skoy (Aircraft Modelling: Collection of Articles)
 1948, Moscow, 1 uchitel'skoy (Aircraft Modelling: Collection of Articles)
 1948, Moscow, 1 uchitel'skoy (Aircraft Modelling: Collection of Articles)

Compilers: E.B. Mukhomorov, Candidate of Technical Sciences, and
 M.S. Lebedinskiy, Candidate of Technical Sciences; Ed.:
 A.Ye. Stukhurskiy; Tech. Ed.: V.I. Komarova.

PURPOSE: This book is intended for instructors and directors of
 model airplane clubs sponsored by DODAP (All-Union Voluntary
 Society for Promotion of the Army, Navy, and Air Force).

COVERAGE: The book consists of 17 articles covering various aspects
 of model aircraft design, construction and operation. The text
 contains many illustrations and diagrams. No personalities are
 mentioned. There are 185 references, all Soviet.

TABLE OF CONTENTS:

1. Choice of Propeller and Rubber Band Propulsion for Flying Model Airplanes	21
2. Special Features of Flight of Models With Reduced Rubber Band Propulsion	25
3. Theory of Soaring for Model Airplanes	27
4. Calculating High-Speed Models for Rectilinear Flight	32

PART TWO. CONSTRUCTING AND LAUNCHING MODEL AIRPLANES

1. Gliding Models Fuselage Model (Makarov, V.) Model With a Sublimator (Zimskov, E.) Control of Soaring Models (Sokolov, Yu.)	39 39 44 46
2. Rubber-Band Propelled Model Airplanes Designing Models (Makarov, V.) Rubber-Band Propulsion for Model Airplanes Airplane Models With Rubber-Band Propulsion (Makarov, V.) Indoor Flying Model (Makarov, V.) Fuselage Model (Makarov, V.) High-Speed Model (Makarov, V.) High-Speed Model of the "Flying Wing" Type (Kuznetsov, V.) Model Airplane Maker on the Take-Off Stand (Kuznetsov, V.)	47 47 48 48 48 48 48 48 48

3. Aircraft Models With Piston Engines Soaring Model (Makarov, V.) Model Airplane of the "Flying Wing" Type (Makarov, V.) High-Speed, Free-Flight Model (Makarov, V.) Cable Control, Contour Model of the Yak-18 (Makarov, V.) Cable Control, High-Speed Model Controlled-Flight Model (Makarov, V.) Designing Cable Control High-Speed Model Control Technique for Cable Control Model Airplanes (Makarov, V.)	56 56 56 56 56 56 56 56 56
---	--

4. Piston Engines and Fuels for Flying Models Model Airplane Engine "Viktor" (Makarov, V.) Model Airplane Engine M-09 Designed by V. Pechenkov (Makarov, V.) Model Airplane Engine M-05-P (Makarov, V.) Fuel Tanks for Model Airplanes Fuels for Model Airplane Engines (Makarov, V.) Restoration of Compression in Model Airplane Engines (Makarov, V.)	95 95 95 95 95 95 95
--	--

5. Manufacture of Piston Rings for Model Airplane Engines (Makarov, V.) Model Airplane Engine "Viktor" (Makarov, V.) Model Airplane Engine M-09 Designed by V. Pechenkov (Makarov, V.) Model Airplane Engine M-05-P (Makarov, V.) Fuel Tanks for Model Airplanes Fuels for Model Airplane Engines (Makarov, V.) Restoration of Compression in Model Airplane Engines (Makarov, V.)	110 110 110 110 110 110 110
---	---

VASIL CHERKOV

VASIL'CHENKO, V., master sporta (g.Dnepropetrovsk)

Model of a jet plane. Kryl.rod. 13 no.1:22 Ja '62.

(MIRA 15:2)

(Jet planes---Models)

VASIL'CHENKO, V., master sporta (Dnepropetrovsk)

With a single cord. Kryl.rod. 14 no.6:46-47 Je '63. (MIRA 16:7)
(Airplanes-Models)

... of the
... ..

VOLKOV, D.P., kandidat tekhnicheskikh nauk; VASIL'CHENKO, V.A., inzhener.

Investigating disk friction flywheel clutches. [Trudy] VNIISroi-
dormash no.15:42-62 '57. (MLRA 10:6)

(Clutches (Machinery))

VASIL'CHENKO, V.A.

VASIL'CHENKO, V.A., inzh.

Operating machinery for breaking up frozen ground. Stroil. i dor.
mashinostr. 3 no.3:6-7 Mr '58. (MIRA 11:3)
(Frozen ground) (Earthmoving machinery)

VASIL'CHENKO, V.A., inzh.; STEFANOV, V.V., inzh.

The E-10011 excavating cranes with turbine transformers. Stro1.
1 dor.mashinostr. 4 no.6:3-6 Je '59. (MIRA 12:8)
(Excavating machinery)

KANNEV, A.V., kand. tekhn. nauk; PANKRASHKIN, I.V., kand. tekhn. nauk; YASIL'CHENKO, V.A., inzh.; VOLKOV, D.P., doktor tekhn. nauk, prof., retsenzent

[Drive mechanisms for all-purpose excavators and their testing] Privody universal'nykh ekskavatorov i ikh ispytaniia. Moskva, Mashinostroenie, 1964. 291 p.

(MIRA 18:1)

VASIL'CHENKO, V.A., inzh.

Calculation of the inductive impedance of the coil of an electric
furnace. Vest. elektroprom. 32 no.12:61-64 D '61.

(MIRA 14:12)

(Electric furnaces)

(Electric coils)

VASIL'CHENKO, V.A., inzh.

Continuous hoist. Mashinostroenie no.6:17-19 N-D '65.
(MIRA 18:12)

MANORIK, A.V., kand. biolog. nauk; VASIL'CHENKO, V.F.

Biologically active substances of organic fertilizers and
their importance in plant nutrition. Agrobiologiya no.1:
16-28 Ja-F '64 (MIRA 17:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut fiziologii
rasteniy AN UkrSSR.

VASIL'CHENKO, V.F. [Vasyl'chenko, V.F.]

Effect of native antibiotics from actinomycetes on the germination
and Fusarium infection of corn seeds. Visnyk Kyiv. un.
Ser. biol. no.1:109-114 '58. (MIRA 15:6)

(CORN (MAIZE)—DISEASES AND PESTS)
(ANTIBIOTICS) (FUSARIUM)

KOGAN, Kopel' Borisovich; TAMARIN, Iosif Isayevich; VASIL'CHENKO, Vi-
taliy Konstantinovich; FEYGIN, L.M., otv. red.; ABARBARCHUK,
F.I., red. izd-va; LOMILINA, L.N., tekhn. red.; LAVHENT'YEVA,
L.G., tekhn. red.

[BMP mining machine] Prokhodcheskaya mashina BMP. Moskva,
Gosgortekhnizdat, 1963. 46 p. (MIRA 16:5)
(Shaft sinking—Equipment and supplies)

VASIL'CHENKO V.N.
ROZANOV, P.M.; BORODOVSKIY, M.S.; VASIL'CHENKO, V.N.; PAVLOVA, M.I.

Analytical method of computing the tension of a thread. Tekst.prom.
14 no.9:47-50 S '54. (MLRA 7:11)

1. Kafedra tkachestva Moskovskogo tekstil'nogo instituta. (for Roza-
nov, Borodovskiy, Vasil'chenko, Pavlova)
(Thread) (Strains and stresses)